

5-146868-1 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-146868-1

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm  
[.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder,  
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **10**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

## Features

### Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

### Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	10
Number of Rows	1
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

### Body Features

Connector Profile	Standard
Primary Product Color	Black

### Contact Features

	100 – 200 µin
Contact Underplating Material	Nickel



Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

### Termination Features

Termination Post & Tail Length	2.79 mm[.11 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

### Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

### Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

### Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features



Packaging Quantity	25000
Packaging Method	Reel

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Pin-in-Paste capable to 260°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

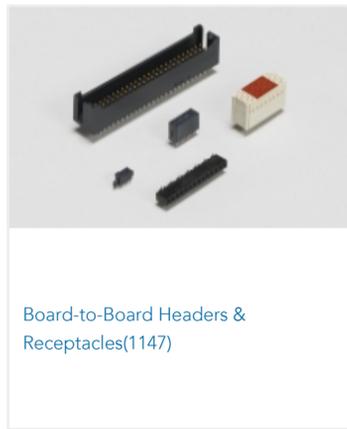
### Compatible Parts



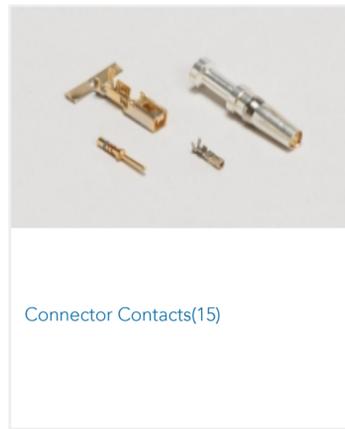
Also in the Series | [AMPMODU Headers](#)



Automotive Signal & Power Headers(3)



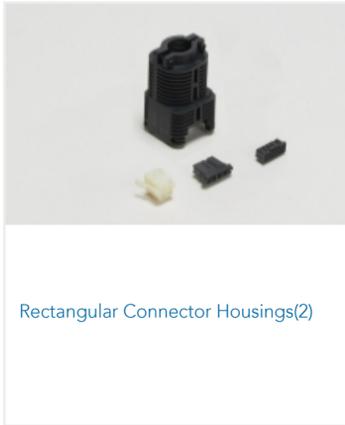
Board-to-Board Headers & Receptacles(1147)



Connector Contacts(15)



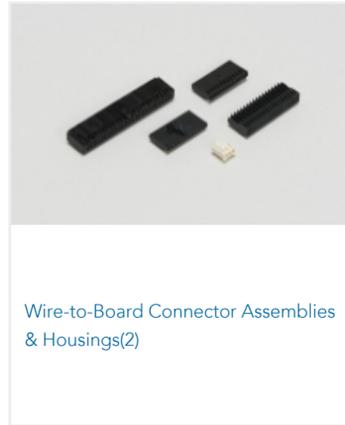
Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Power Connectors(25)



Wire-to-Board Connector Assemblies & Housings(2)

## Customers Also Bought



TE Part #5-146261-1  
02 MODII HDR DRST B/A .100CL LF



TE Part #5-146285-3  
03 MODII HDR SRST B/A .100CL



TE Part #1-292132-0  
CT P/HDR BOX V 10P NAT



TE Part #2-1437186-9  
FST-21A-15



TE Part #1-1617121-1  
JMAC-26XP = M39016/9-062P



TE Part #2-1879212-0  
CPF 0402 33K2 0.1% 25PPM 5K RL



TE Part #8-1879417-1  
CPF0603 845K 0.1% 25PPM 1K RL



TE Part #4-2176407-2  
3560 680K 1%



TE Part #2199119-6  
M.2 0.5PITCH 3.2H KEY E 30U" AU



TE Part #2350514-3  
3POS TB HDR 90 DEG, PITCH 3.5 & TL 3.5mm

## Documents



### Product Drawings

[B/A REELED SRST HDR ASSY 30 AU](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_5-146868-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-146868-1\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-146868-1\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5](#)

English